

5

SEQUENCE LISTING

(1) GENERAL INFORMATION

(i) APPLICANT: van der Bruggen, et al.

10 (ii) TITLE OF INVENTION: ISOLATED NUCLEIC ACID MOLECULE ENCODING
PEPTIDES WHICH FORM COMPLEXES WITH MHC
MOLECULE HLA-Cw*1601 AND USES THEREOF

(iii) NUMBER OF SEQUENCES: 9

(iv) CORRESPONDENCE ADDRESS:

15 (A) ADDRESSEE: Felfe & Lynch
(B) STREET: 805 Third Avenue
(C) CITY: New York
(D) STATE: New York
(E) COUNTRY: USA
20 (F) ZIP: 10022

(v) COMPUTER READABLE FORM:

25 (A) MEDIUM TYPE: 3.5 inch 1.44 Mb storage diskette
(B) COMPUTER: IBM PS/2
(C) OPERATING SYSTEM: PC-DOS
(D) SOFTWARE: Wordperfect

(vi) CURRENT APPLICATION DATA:

(A) APPLICATION NUMBER: Not Yet Assigned
(B) FILING DATE: Herewith
(C) CLASSIFICATION: 435

30 (vii) PRIOR APPLICATION DATA:

(A) APPLICATION NUMBER: 08/196,630
(B) FILING DATE: February 15, 1994

(vii) PRIOR APPLICATION DATA:

35 (A) APPLICATION NUMBER: 08/079,110
(B) FILING DATE: June 17, 1993

(viii) ATTORNEY/AGENT INFORMATION:

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(B) REGISTRATION NUMBER: 34,894
(C) REFERENCE/DOCKET NUMBER: LUD 5310.2

- 5 (ix) TELECOMMUNICATION INFORMATION:
 (A) TELEPHONE: (212) 688-9200
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(2) INFORMATION FOR SEQ ID NO: 1:

- (i) SEQUENCE CHARACTERISTICS:
 10 (A) LENGTH: 1004
 (B) TYPE: nucleic acid
 (C) STRANDEDNESS: single
 (D) TOPOLOGY: linear

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 1:

| | | |
|-----|--|-----|
| 15 | CGCCAATTTA GGGTCTCCGG TATCTCCCGC TGAGCTGCTC TGTTCCTGGC TTAGAGGACC | 60 |
| 25 | AGGAGAAGGG GGAGCTGGAG GCTGGAGCCT GTAACACCGT GGCTCGTCTC ACTCTGGATG | 120 |
| 35 | GTGGTGGCAA CAGAGATGGC AGCGCAGCTG GAGTGTTAGG AGGGCGGCCT GAGCGGTAGG | 180 |
| 45 | AGTGSGGCTG GAGCAGTAAG ATG GCG GCC AGA GCG GTT TTT CTG GCA TTG TCT | 233 |
| 55 | Met Ala Ala Arg Ala Val Phe Leu Ala Leu Ser | |
| 65 | GCC CAG CTG CTC CAA GCC AGG CTG ATG AAG GAG GAG TCC CCT GTG GTG | 281 |
| 75 | Ala Gln Leu Leu Gln Ala Arg Leu Met Lys Glu Glu Ser Pro Val Val | |
| 85 | AGC TGG AGG TTG GAG CCT GAA GAC GGC ACA GCT CTG TGC TTC ATC TTC | 329 |
| 95 | Ser Trp Arg Leu Glu Pro Glu Asp Gly Thr Ala Leu Cys Phe Ile Phe | |
| 105 | TGAGGTTGTG GCAGCCACGG TGATGGAGAC GGCAGCTCAA CAGGAGCAAT AGGAGGAGAT | 389 |
| 115 | GGAGTTTCAC TGTGTCAGCC AGGATGGTCT CGATCTCCTG ACCTCGTGAT CCGCCCGCCT | 449 |
| 125 | TGGCCTTCCA AAGTGCCGAG ATTACAGCGA TGTGCATTTT GTAAGCACTT TGGAGCCACT | 509 |
| 135 | ATCAAATGCT GTGAAGAGAA ATGTACCCAG ATGTATCATT ATCCTTGTGC TGCAGGAGCC | 569 |
| 145 | GGCTCCTTTC AGGATTTTCAG TCACATCTTC CTGCTTTGTC CAGAACACAT TGACCAAGCT | 629 |
| 155 | CCTGAAAGAT GTAAGTTTAC TACGCATAGA CTTTTAAACT TCAACCAATG TATTTACTGA | 689 |
| 165 | AAATAACAAA TGTTGTAAAT TCCCTGAGTG TTATTCTACT TGTATTAAAA GGTAATAATA | 749 |
| 175 | CATAATCATT AAAATCTGAG GGATCATTGC CAGAGATTGT TGGGGAGGGA AATGTTATCA | 809 |

| | | | | | | |
|-------------|------------|------------|-------------|------------|------------|------|
| 5ACGGTTTCAT | TGAAATTAAA | TCCAAAAAGT | TATTTCTCTCA | GAAAAATCAA | ATAAAGTTTG | 869 |
| CATGTTTTTTT | ATTCTTAAAA | CATTTTAAAA | ACCACTGTAG | AATGATGTAA | ATAGGGACTG | 929 |
| TGCAGTATTT | CTGACATATA | CTATAAAATT | ATTAAAAAGT | CAATCAGTAT | TCAACATCTT | 989 |
| TTACACTAAA | AAGCC | | | | | 1004 |

(3) INFORMATION FOR SEQ ID NO: 2:

10 (i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 43
(B) TYPE: amino acid
(C) STRANDEDNESS: single
(D) TOPOLOGY: linear

15 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 2:

Met Ala Ala Arg Ala Val Phe Leu Ala Leu Ser Ala Gln Leu Leu Gln
5 10 15
Ala Arg Leu Met Lys Glu Glu Ser Pro Val Val Ser Trp Arg Leu Glu
20 25 30
Pro Glu Asp Gly Thr Ala Leu Cys Phe Ile Phe
35 40

(4) INFORMATION FOR SEQ ID NO: 3:

(i) SEQUENCE CHARACTERISTICS:

- 25 (A) LENGTH: 9
(B) TYPE: amino acid
(C) STRANDEDNESS: single
(D) TOPOLOGY: linear

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3:

Ala Ala Arg Ala Val Phe Leu Ala Leu
30 5

(5) INFORMATION FOR SEQ ID NO: 4:

(i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 9

- 5 (B) TYPE: amino acid
 (C) STRANDEDNESS: single
 (D) TOPOLOGY: linear

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4:

Ala Arg Ala Val Phe Leu Ala Leu Phe
 10 5

(6) INFORMATION FOR SEQ ID NO: 5

(i) SEQUENCE CHARACTERISTICS:

- 15 (A) LENGTH: 9
 (B) TYPE: amino acid
 (C) STRANDEDNESS: single
 (D) TOPOLOGY: linear

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 5:

Met Ala Ala Arg Ala Val Phe Leu Ala
 20 5

(7) INFORMATION FOR SEQ ID NO: 6:

(i) SEQUENCE CHARACTERISTICS:

- 25 (A) LENGTH: 18
 (B) TYPE: nucleic acid
 (C) STRANDEDNESS: single
 (D) TOPOLOGY: linear

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 6:

TGGCTCGTCT CACTCTGG

18

(8) INFORMATION FOR SEQ ID NO: 7:

30 (i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 19
 (B) TYPE: nucleic acid
 (C) STRANDEDNESS: single
 (D) TOPOLOGY: linear

5 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 7:

CCTCCTATTG CTCCTGTTG

19

(9) INFORMATION FOR SEQ ID NO: 8:

(i) SEQUENCE CHARACTERISTICS:

- 10 (A) LENGTH: 19
(B) TYPE: nucleic acid
(C) STRANDEDNESS: single
(D) TOPOLOGY: linear

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 8:

GGCATCGTGA TGGACTCCG

19

15(10) INFORMATION FOR SEQ ID NO: 9:

(i) SEQUENCE CHARACTERISTICS:

- 20 (A) LENGTH: 19
(B) TYPE: nucleic acid
(C) STRANDEDNESS: single
(D) TOPOLOGY: linear

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 9:

GCTGGAAGGT GGACAGCGA

19